

TECHNICAL DATA OF PAXMAN-RICARDO HIGH-SPEED DIESEL ENGINES.

VEE TYPE. MARK "12 T.P.M. (as fitted to ITC)

Speed:- Maximum 1375 rpm.
Idling 700/750 rpm.

Output. 500 B.H.P. at 1375 rpm.

No of Cylinders. 12 comprising two banks of six cylinders arranged to form a V at an angle of 60 degrees, each bank having two blocks of three cylinders.

Bore. 7" diameter.

Stroke. $7\frac{3}{4}$ "

Rotation. Standard:- ie, clockwise looking on free end of engine.

Fuel oil consumption. 0.42 lbs per B.H.P. hour.


Compression Ratio. 17 : 1.

Compression Pressure. 650 lbs per sq. inch.

Maximum pressure at 850 lbs per sq. inch.
FULL load.

B.M.E.P. (full load). 81 lbs per sq inch.

IT IS SPECIFICALLY LAID DOWN THAT THESE ENGINES, ALTHOUGH MADE TO RUN AT 1375 RPM, MUST NOT BE RUN AT MORE THAN 1100 RPM. THE ONLY TIME THE NAVY ALLOWED THESE ENGINES TO RUN AT 1375 RPM WAS IN EXTREME EMERGENCY AND THEN ONLY FOR A MAXIMUM TIME OF FIVE MINUTES.


W.B. Cecil-Lowe.

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NEPTUNE SHIPPING AND TRADING CO. LTD.
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W 992-0125

1: 1.376 Ahead
1395: 1. Antén

Single

1.508
1.534

Double

Referred to the Chief Ship Surveyors
4 Engr

HK



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